

## APPARATUS AND METHODS FOR CONTROLLING REMOVABLE MEDIA DEVICES USING A BIOS ABSTRACTION LAYER

### ABSTRACT

Apparatus and methods that control removable media devices, such as CD-ROM, DVD and magneto-optical devices, and the like, using an abstraction layer in firmware (BIOS). The apparatus and methods provide for communication with CD-ROM, DVD, magneto-optical, and other removable media devices so that they are bootable regardless of the primary or secondary bus used to interface them to the computer system. Exemplary apparatus and methods comprise one or more abstraction layers in the system firmware that employ interrupt 13h functions to allow a program, such as an operating system or application, to communicate with the removable media device. The removable media employed with the removable media device comprises an operating system, a file system driver, a device driver that calls the abstraction layer in the BIOS, and one or more applications. The removable media employed with the removable media device may be preferably used to perform recovery of contents of a device coupled to the computer.